

ABSTRACT

DISPLAY CELL, IN PARTICULAR LIQUID CRYSTAL CELL, OR  
PHOTOVOLTAIC CELL COMPRISING MEANS FOR CONNECTION  
TO AN ELECTRONIC CONTROL CIRCUIT

The present invention concerns an electro-optical display cell (1; 18), particularly a liquid crystal cell, or electrochemical photovoltaic cell comprising:

- at least one transparent front substrate (2; 20) whose top surface forms the front face (14) of the cell (1; 18);

- at least one back substrate (8; 22) that may also be transparent or not, whose lower surface (12; 31) forms the back face of said cell (1; 18);

- a sealing frame (36) joining the front (20) and back (22) substrates and defining a volume (38) for retaining an electro-optically or photo-electrically active medium in a sealed manner;

- said front (20) and back (22) substrates including on their faces opposite to each other at least one electrode (24, 26) each, these electrodes (24, 26) being intended to be connected by conductive paths (16; 30, 34) to an electrical power or control circuit (10; 56) and defining lateral electric contact zones (28, 32),

said cell being characterised in that the conductive paths (30, 34) are each formed of a first part (30a, 34a) in contact with the electrodes at the level of the lateral electric contact zones (28, 32), and a second part (30b, 34b) extending over the back surface (31) of the cell (18), contact means (42) arranged continuously or discontinuously over the edge (27) and/or the back (12; 31) of said cell (1; 18) forming the electrical junction between the first (30a, 34a) and second parts (30b, 34b) of the conductive paths (30, 34).

Figure 3